THANK YOU STRATEGIC PLANNING COMMITTEE!

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Mission
Advancing technical and scientific knowledge and capabilities to improve quality of life for our global society

Vision
We are a diverse learning and teaching community discovering creative solutions for healthy, global citizens living in a smart, sustainable world
STRATEGIC OBJECTIVES
STRATEGIC OBJECTIVE #1
INSTILL A CULTURE OF INCLUSIVE EXCELLENCE AND MORE THAN DOUBLE THE PERCENTAGE OF STUDENTS WHO COME FROM DIVERSE BACKGROUNDS

TD1SI1: Financial Support for Students
TD4SI2: A Community of Diversity, Equity and Inclusive Excellence
STRATEGIC OBJECTIVE #2
FOCUS OUR RESEARCH AND EDUCATION PROGRAM TO ADDRESS TWO, RELEVANT REAL-WORLD GLOBAL GOALS

DEVELOP AND INSPIRE HEALTHY GLOBAL CITIZENS

BUILD A SMART, SUSTAINABLE WORLD

TD1SI2: Enhancing and Expanding our Learning Environment
TD1SI3: SI 3: Navigating DU, Navigating Life
TD2SI3: SI 3: International Impact
TD4SI3: Sustainable DU
Strategic Objective #3: Modernize the Undergraduate Program

TD1SI2: Enhancing and Expanding our Learning Environment
TD1SI5: Preparing for Careers and Lives of Purpose
TD2SI3: International Impact
TD2SI4: Knowledge Bridges
STRATEGIC OBJECTIVE #4
GROW THE RESEARCH ENTERPRISE

TD2SI1: Faculty Talent, Excellence and Diversity Initiative
TD2SI2: Supporting Research, Scholarship and Creative Expression
TD3SI4: Partner in Innovation and Entrepreneurship in Denver
TD4SI3: Sustainable DU

ARTIFICIAL INTELLIGENCE
BIOMECHANICS
CYBERPHYSICAL SECURITY
ROBOTICS
SMART CITIES
STRATEGIC OBJECTIVE #5
OFFER A SUITE OF HIGHLY RELEVANT NEW PROGRAMS

TD2S15: Preparing for Careers and Lives of Purpose
TD3S14: Partner in Innovation and Entrepreneurship in Denver
STRATEGIC OBJECTIVE #6
IMPROVE BRAND DOMESTICALLY AND ABROAD
UNIVERSITY-WIDE INITIATIVES

PROJECT X-ITE

DIGITAL LITERACY

E-STEAM CENTER

INSTITUTE ON DISRUPTIVE INNOVATION

NEW PROGRAMS

TD2SI 6: Project for Innovation, Entrepreneurship and Technology
TD3SI4: Partner in Innovation and Entrepreneurship in Denver
THANK YOU!
We believe:

- Students are the center of our academic programs
- Students gain deeper knowledge through experiential learning
- Inclusive excellence is essential to tapping into diverse talents, ways of thinking and working together
- Collaboration across disciplines, boundaries and fields can lead to breakthroughs and innovation
- Continuous innovation is essential to teaching and research
- Creative thinking is fueled by an inquisitive nature and a quest for discovery
STRATEGIC OBJECTIVES

• Instill a culture of inclusive excellence and more than double the percentage of students who come from diverse backgrounds
• Focus research and education programs to address two relevant, real-world Global Goals
• Modernize the undergraduate program
• Grow the research enterprise
• Build a suite of highly relevant new programs
• Improve brand and reputation domestically and abroad
In three to five years, the Ritchie School will become known as an innovative jewel of a school in engineering and computer science that has achieved the following:

• Substantially greater percentage of undergraduates will be students of color, will be women, and will be 1st generation
• Substantially more undergraduates will major in engineering or computer science and more non-majors will take more Ritchie courses
• New programs will contribute substantial new revenue to the unit
• The amount of research funding flowing through, and PhD students, in the School will have increased dramatically
• Ranked by USNWR in Graduate Engineering and Computer Science
• Improve USNWR Undergraduate Engineering Ranking
• Lead up to five critical University–wide initiatives
STRATEGIC OBJECTIVE #1

INSTITUTIONAL CULTURE OF INCLUSIVE EXCELLENCE AND MORE THAN DOUBLE THE PERCENTAGE OF STUDENTS WHO COME FROM DIVERSE BACKGROUNDS

- Women: 30%
- Students of Color: 30%
- Women of Color: 20%
STRATEGIC OBJECTIVE #2
FOCUS OUR RESEARCH AND EDUCATION PROGRAM TO ADDRESS
TWO, RELEVANT REAL-WORLD GLOBAL GOALS

Develop and Inspire
Healthy Global Citizens

Build a Smart,
Sustainable World
• All students participate in at least one (1) project-oriented, team-based, customer / product / service-driven experiential, inclusive, and public-good oriented course each year.
• All students engage in at least one (1) extra-curricular experience each year.
• All students have at least one internship or Co-Op before they graduate.
• All students have an NAE Grand Challenges experience.
• Faculty commit to a high level of engagement with students inside and outside the classroom.
• All students are assessed annually against the Ritchie School graduate characteristics.
• Examples: certificates, competencies, new Masters
  – Suite of Degrees
    • MS-Cybersecurity
    • MS-Data Science
    • MS-Internet of Things
    • MS-Web Development
    • MS-Financial Engineering MS-Product Design

• Description
  – Accelerated Format, designed to be completed in 12 Months
  – Full time, On-Campus
  – Discounted Tuition
  – Industry Internship Required Component of Curriculum
  – Non-Thesis, Terminal Degrees
UNIVERSITY-WIDE INITIATIVES

PROJECT X-ITE

INSTITUTE ON DISRUPTIVE INNOVATION

DIGITAL LITERACY

E-STEAM CENTER

MULTI-MODAL, MULTI-DISCIPLINE; NEW PROGRAMS